



Product: [FD1B004LB](#)

Indoor/Outdoor LSZH/Riser OM1 Breakout 4 Fibers

Product Description

FX Indoor/Outdoor OM1 Breakout 4 Fibers LSZH Sub-Units (2.0MM) Black Jacket

Technical Specifications

Product Overview

Suitable Applications:	Horizontal Backbone
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Fiber Specifications

Fiber Type:	OM1
Fiber Core Diameter:	62.5/125µm µm
Fiber Diameter:	250 µm
Buffer Material:	LSZH - Low Smoke Zero Halogen (Flame Retardent)
Buffer Diameter:	900 µm µm
Fiber Count:	4
Fiber Color Coding:	TIA-598-D

Cable Construction

Number of Active Subunits:	4
Number of Fillers:	0
Fibers Per Subunit:	1
Subunit Waterblocking:	Waterblocking Aramid
Subunit Diameter:	0.078 in (2.0 mm)
Subunit Color:	Orange
Subunit Strength Members:	Waterblocking aramid yarns
Central Strength Member:	GRP
Core Wrap:	Waterblocking tape
Cable Core Waterblocking:	Waterblock Tape

Outer Jacket Specifications

Strength Member:	Waterblocking Aramid Yarns
Jacket Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Nom. Diameter:	0.321 in (8.2 mm)
Color:	Black
Number of Ripcords:	2

Optical Characteristics

Wavelength	850 nm	1300 nm
Max. Attenuation	3.25 dB/km	1.0 dB/km
1 Gigabit Ethernet Performance	300 m	550 m
10 Gigabit Ethernet Performance	33 m	--
Min. Restricted Mode Launch	220 MHz.km	--
Min. Overfilled Launch (OFL) Bandwidth	200 MHz.km	500 MHz.km

Mechanical Characteristics

Min. Bend Radius During Installation:	15x Cable OD
Min. Bend Radius During Operation:	10x Cable OD
Max. Tensile Strength During Installation:	1330 N (300 lbf)
Max. Tensile Strength During Operation:	400 N (90 lbf)
Crush Resistance:	220 N/cm
Bulk Cable Weight:	17 lbs/kft (26 kg/km)

Temperature Range

Installation Temperature Range:	-20°C to +70°C
Operating Temperature Range:	-40°C to +70°C
Storage Temperature Range:	-40°C to +70°C

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Sunlight Resistance, Burial
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	OFNR, FT4
ICEA Compliance:	S-104-696
TIA/EIA Compliance:	ANSI/ICEA S-104-696

History

Update and Revision:	Revision Number: 0.69 Revision Date: 05-31-2024
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